The Anderson Family BATTERY CONNECTORS

Battery Connectors - CAT. NOS. R121, R125, 4657B



Corkscrew plugs and receptacles lock into compact, rugged connections

The connector

Corkscrew locking plugs and receptacles provide compact, weathertight connections for quick indoor or outdoor battery charging and numerous other electric vehicle, industrial and aircraft applications.

For maximum conductivity with minimum corrosion, all contacts are silverplated copper. Even after salt-spray exposure electrical resistance stays minimal.

The plug

Plug mechanisms are encased in a durable Hypalon insulation housing. Stainless steel garter springs reinforce the socket-type contacts to increase mating pressure and make each connection equally reliable. Intergrally designed gaskets seal the mated connector.

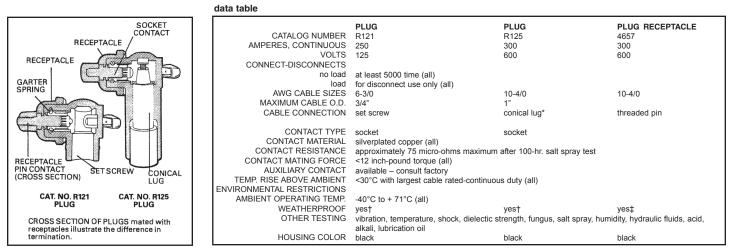
The plug models differ primarily by means of termination and current rating. Catalog number R121 is a convenient no crimp no solder setscrew termination. Catalog number R125 provides the precise fit and rugged connection of a conical lug termination, which is retained in the plug with an allen-type screw. A screw-lock mates the connector tightly enough to withstand severe vibration and physical shocks. It is operated by a twist handle which positively connects and disconnects the plug. The handle also indicates the state of the connection by its position.

The receptacle

The receptacle is flanged for surface mounting. Pinstyle contacts are molded into the glass-filled thermoset plastic housing. Hardware is plated to resist corrosion.

Applications

The corkscrew is a versatile, high performance connector, that may be used for weatherproof battery charger and intercomponent connections in electric vehicles; as a stand-by power connector in computer systems; or as a ground power connector in marine, air and rail transport. It is recommended for other similar applications, or wherever hydraulic fluids, oils, acids and other such potentially destructive elements could shorten the life of another connector.



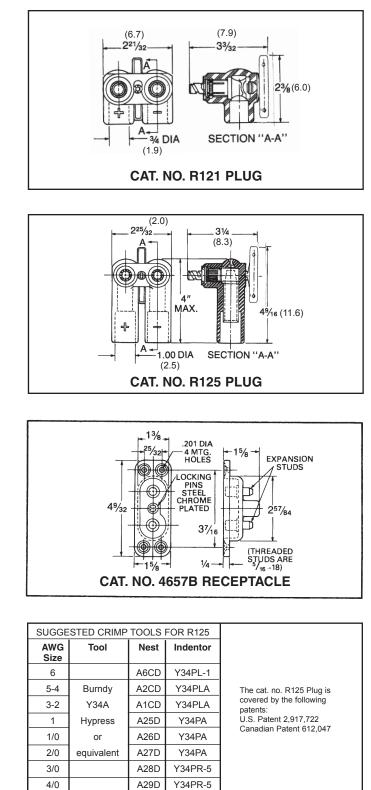
*crimp or solder contact ** shrink tubing over connector sleeve-to-cable joint and potted set-screw holes required

BATTERY CONNECTORS

Battery Connectors - Plugs and Receptacles

DIMENSIONS





set screw termination							
	AWG Size **	Metric mm		Catalog Number			
	#6-3/0	(85)		R121			
lug termination (lugs included)							
	AWG Size **	MS 1411-	Metric mm	Catalog Number			
	10	-2	(5)	R125G1			
	8	-3	(8)	R125G2			
	6	-4	(13)	R125G3			
	5-4	-5	(17-21)	R125G4			
	3-2	-6	(27-34)	R125G5			
	1	-7	(42)	R125G6			
\smile	1/0	-8	(53)	R125G7			
	2/0	-9	(67)	R125G8			
	3/0	-10	(85)	R125G9			
	4/0	-11	(107)	R125G10			
lug sets (replacement)							
	AWG	METRIC		Catalog			

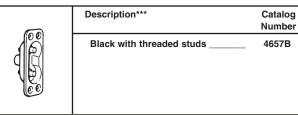
lug sets	(replacement)
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	AWG Size **	METRIC mm	Catalog Number
Two lugs per set, with hardware	8-10	(8-5)	970
	12-10	(3-5)	971
	8	(8)	972
	6	(13)	973
	5-4	(17-21)	974
	3-2	(27-34)	975
	1	(42)	976
	1/0	(53)	977
	2/0	(67)	978
	3/0	(85)	979
	4/0	(107)	980

Catalog

4657B

ordering information Receptacle



** Soldering is recommended for cable sizes 10 through 8 AWG. For Cable sizes 6 through 4/0 AWG, see suggested crimping tool.

Electric Vehicle Charging Connectors

Charging Power Plugs and Cable Assemblies

Benefits:

- Silver-plated contacts for charging up to 450A
- Full line of integral molded plugs and receptacles
- Designed for low insertion force
- Multiple options include sensors and control mechanisms
- Excellent resistance to moisture/chemicals and severe wear and tear

Battery Connectors





- Versatile, secure, high current corkscrew connector suitable for:
 - Weatherproof battery charger and inter-component connections
 - Stand-by power connector in computer systems
 - Ground power connector in marine, air and rail transport
 - Wherever hydraulic fluids, oils, acids and other such potentially destructive elements could shorten the connector life

ORDER INFORMATION:

Battery ConnectorR121 orR125G## - Cable IdentifierBattery Receptacle4657BX



Fast Charge Power Cables and Receptacles

- High current 6 and 9 Pin plugs and receptacles
- Multiple cable configurations
- Capable of 80VDC/150A and 400VDC/450A



ORDER INFORMATION:

Fast Chrg Cable	R270 Gxx E - M	6 Pin	xx – Cable Config
Fast Chrg Cable	R80 G103	9 Pin	
Receptacle w/ Shield	4630B	6 Pin	
Receptacle w/ Shield	4635B	9 Pin	

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